

**NZ0504037A: A MEANS BY WHICH TO PREDICT THE EXTENT OF FAT DEPOSITION IN MUSCULAR TISSUE**

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Abstract:	Described are methods and nucleic acid probes for assessing characteristics of lipid metabolism in animals, and specifically to methods of predicting fat levels in meat, milk, or other fat depots of animals. The method comprises the step of testing the animal for the presence or absence of one or more markers selected from the group consisting of: a) an allele of the 5' untranslated region of the gene encoding thyroglobulin; b) an allele of the DNA polymorphism CSSM34, associated with the gene encoding retinoic acid receptor gamma (RARG); c) an allele of the DNA polymorphism ETH10, associated with 11-cis, 9-cis retinol dehydrogenase (RDH5). The method is applicable to predicting deposition of fat in muscular tissue, which produces the characteristic "marbling" of meat, and to assessment of milk fat content. The methods of are useful in selection cattle for their ability to produce or high levels of marbling in meat, and to produce high or low levels of milk fat content.	
Designated Country:	AL AM AP AT AZ BA BB BG BR BY CH CN CU CZ DE DK EA EE EP ES FI GB GD GE GH GM HR HU ID IL IS KE KG KP KR KZ LC	

☐ Family:

PDF	Publication	Pub. Date	Filed	Title
<input type="checkbox"/>	<u>WO9923248A1</u>	May 14, 1999	Oct. 23, 1998	ASSESSING LIPID METABOLISM
<input type="checkbox"/>	<u>US6383751</u>	May 7, 2002	July 18, 2000	Assessing lipid metabolism
	<u>NZ0504037A</u>	Aug. 31, 2001	Oct. 23, 1998	A MEANS BY WHICH TO PREDICT THE EXTENT OF FAT DEPOSITION IN MUSCULAR TISSUE
	<u>JP2001521752T2</u>	Nov. 13, 2001	Oct. 23, 1998	
	<u>CA2307550AA</u>	May 14, 1999	Oct. 23, 1998	ASSESSING LIPID METABOLISM
	<u>AU9616598A1</u>	May 24, 1999	Oct. 23, 1998	ASSESSING LIPID METABOLISM
	<u>AU0745520B2</u>	March 21, 2002	Oct. 23, 1998	ASSESSING LIPID METABOLISM
	<u>AU0012097A0</u>	Nov. 27, 1997	Oct. 30, 1997	ASSESSING LIPID METABOLISM
8 family members shown above				

☐ Other  
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